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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/496,188	02/02/2000	David Cushing	2566-104A	5851
6449	7590 09/24/2004	EXAMINER		
ROTHWELL 1425 K STRE	., FIGG, ERNST & M	BASHORE, ALAIN L		
SUITE 800	L1,14.W.	ART UNIT	PAPER NUMBER	
WASHINGTON, DC 20005			3624	-
			DATE MAILED: 09/24/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

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··		Applica	ition No.	Applicant(s)				
Office Action Summary		09/496	,188	CUSHING, DAVID				
		Examin	er	Art Unit				
			Bashore	3624				
Period fo	The MAILING DATE of this communi r Reply	cation appears on t	the cover sheet with the o	correspondence add	ress			
THE I - Exter after - If the - If NO - Failur Any r	ORTENED STATUTORY PERIOD FOMAILING DATE OF THIS COMMUNION is ions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this commit period for reply specified above is less than thirty (30 period for reply is specified above, the maximum stare to reply within the set or extended period for reply eply received by the Office later than three months after a patent term adjustment. See 37 CFR 1.704(b).	CATION.  of 37 CFR 1.136(a). In no unication.  days, a reply within the stutory period will apply and will, by statute, cause the a	event, however, may a reply be tintatutory minimum of thirty (30) day I will expire SIX (6) MONTHS from application to become ABANDONE	nely filed ys will be considered timely. the mailing date of this com ED (35 U.S.C. § 133).	nmunication.			
Status								
1)  🂢	Responsive to communication(s) file	d on <i>26 May 2004</i> .		•				
·	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.							
, —	·—							
Dispositi	on of Claims							
5)□ 6)⊠ 7)□	Claim(s) 1-21 is/are pending in the appearance of the above claim(s) is/are Claim(s) is/are allowed.  Claim(s) 1-21 is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restrict	e withdrawn from o						
Applicati	on Papers							
9)[	The specification is objected to by the	Examiner.						
10) 🗌	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
	Applicant may not request that any object		•	• •				
11)	Replacement drawing sheet(s) including The oath or declaration is objected to	·		•	• •			
Priority u	ınder 35 U.S.C. § 119							
a)[	Acknowledgment is made of a claim f  All b) Some * c) None of:  1. Certified copies of the priority of  2. Certified copies of the priority of  3. Copies of the certified copies of application from the Internation of the attached detailed Office action	documents have be documents have be of the priority docur nal Bureau (PCT R	een received. een received in Applicat ments have been receive rule 17.2(a)).	ion No ed in this National S	itage			
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	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PT	rO-948)	<ol> <li>Interview Summary Paper No(s)/Mail D</li> </ol>					
3) 🔲 Inform	nation Disclosure Statement(s) (PTO-1449 or F r No(s)/Mail Date		5) Notice of Informal F		152)			

Application/Control Number: 09/496,188

Art Unit: 3624

#### **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fraser et al in view of Madoff et al.

Fraser et al discloses a computer implemented method for identifying a price at which to conduct a batch auction of a financial security. A plurality of order requests (priced) from a plurality of sources is accepted within certain order parameters and a single price is determined which to trade (col 1, lines 45-67; col 2, lines 1-31). Since the method to Fraser at al utilizes events and rules, there is present a algorithm.

Fraser et al does not explicitly disclose an imbalance ratio that is determined and on the result of a comparison of the imbalance ratio to a predetermined value.

Application/Control Number: 09/496,188 Page 3

Art Unit: 3624

Madoff et al discloses an imbalance ratio (para 0034; anticipated share allocation) that is determined and on the result of a comparison of the imbalance ratio to a predetermined value (para 0034; percentage of sum of gross contributions).

It would have been obvious to one with ordinary skill in the art to include an imbalance ratio that is determined and on the result of a comparison of the imbalance ratio to a predetermined value because Madoff et al teaches imbalance problems known in the trading art (para 0002).

## Response to Arguments

3. Applicant's arguments with respect to claims of record have been considered but are most in view of the new ground(s) of rejection.

Arguments regarding 35 USC 101 and 35 USC 112 rejections are considered moot in light of amendments to the claims that obviate these rejections.

### Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alain L. Bashore whose telephone number is 703-308-1884. The examiner can normally be reached on about 7:00 am to 4:30 pm (Monday thru Thursday).

Application/Control Number: 09/496,188

Art Unit: 3624

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vincent Millin can be reached on 703-308-1065. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Alain L. Bashore Primary Examiner Art Unit 3624 Page 4